

HEMATOLOGY/ONCOLOGY  
RESIDENT CURRICULUM JULY 2003- 2004

**I. Introduction/Goals**

1. The educational curriculum of the Hematology/Oncology Service will offer the trainee the opportunity to become familiar with common Hematology/Oncology disorders. On completion of the rotation the trainee should be able to discuss a differential diagnosis, and establish a diagnostic and therapeutic plan for all common Hematology/Oncology disorders.

2. The educational experience will consist of:

- a. Clinical inpatient and outpatient contact.
- b. Didactic instructions.
- c. Procedural familiarization with bone marrow biopsies, aspirates and peripheral smears
- d. Optional clinical research experience.

**II. Educational Experience**

1. Clinical Patient Contact

- a. The trainee will have the opportunity to evaluate patients for which both outpatient and inpatient consults have been received (approximately 35 month) The trainee will consult with the staff after performing a complete history and physical and data collection to formulate a differential diagnosis and therapeutic/diagnostic plan. There is a rich and diversified outpatient as well as inpatient experience available. The patients seen on consultation will be followed at appropriate intervals while hospitalized and the trainee will maintain a current assessment of all patients' problems on the consultation service.

**III. Didactic Instruction\***

- a. Didactic instruction will be provided throughout the course of training through morning report cases, noon conference lectures, grand rounds and the medical center tumor boards (breast, chest, GI, medical oncology, radiation oncology, head and neck, urology) as well as instructions during rounds and clinic
- b. Major topics to be covered include

### **ONCOLOGY**

Heme Onc emergencies  
 Administration of chemotherapy  
 Cancer Biology  
 Cancer Chemotherapy Agents  
 Breast Cancer, Lung Cancer, G.I Tract Cancer, Testicular-GU and Prostate Cancer, Melanoma Head and Neck Cancer, cancer of Unknown Primary, Hodgkins and Non Hodgkins Lymphoma, Plasma Cell Disorders, CML, CLL, Hairy Cell leukemia, AML and ALL, Myelodysplastic syndrome, P. Vera, Essential Thrombocytosis, Myelofibrosis,  
 Psychosocial Issues  
 Ethics and the law in Oncology  
 Brief Rotation in Radiation Therapy  
 New Modalities in Oncology

### **HEMATOLOGY**

Reading of a smear  
 Performance of a bone marrow biopsy and interpretation  
 Basic Lab evaluation  
 Possibly some exposure to blood banking  
 Transfusion medicine  
 Evaluation of Anemia  
 Evaluation of cytopenias  
 Hemolysis  
 Erythrocytosis  
 Iron overload  
 Abnormal Hemoglobin and Thallesemias  
 Bleeding disorders  
 Hypercoagulability

\*Trainee may accompany Dr. Ryan to UCD if in Sept- Early Nov. A teaching glass slide set and large library is always available to the trainee

## **IV. Clinical Research**

Opportunities for clinical research will abound for the interested trainee. There is always ample material for work ranging from case reports worthy of the Society of the USAF Physicians to more extensive experience in clinical trials.

KEVIN P RYAN MD FACP  
COL, USAF MC  
CHIEF, HEMATOLOGY/ONCOLOGY  
CLINICAL PROFESSOR OF MEDICINE  
UNIVERSITY OF CALIFORNIA AT DAVIS  
SCHOOL OF MEDICINE